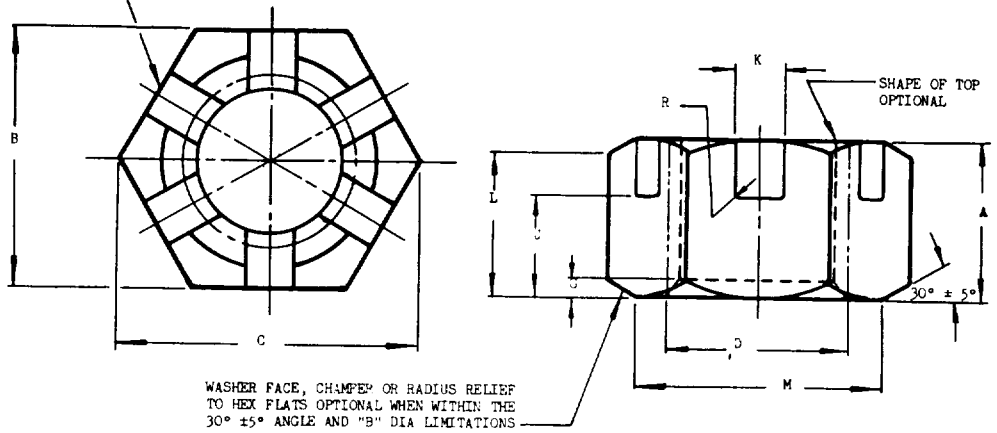


OPPOSITE SLOTS MUST COINCIDE WITHIN
.005 AND SLOT AXIS MUST BE WITHIN
.005 OF THREAD P. D. AXIS



SIZE DASH NO.	THREAD MIL-S-8879	A		B		C	D	G		J		K		L		M		R	ULTIMATE TENSILE STRENGTH		WEIGHT LB/100	
		MAX	MIN	MAX	MIN			MIN	MAX	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		MAX	MIN	MAX	LB
- 3	.190-32UNJF-3B	.265	.235	.376	.367	.410	.215	.032	.006	.125	.105			.110	.376	.355				2,460		.55
- 4	.250-28UNJF-3B	.296	.266	.439	.430	.482	.275	.036	.007	.142	.121	.108	.078	.125	.439	.418	.035			4,580		.80
- 5	.312-24UNJF-3B	.343	.313	.502	.492	.552	.338		.008	.188	.166			.172	.502	.480				7,390		1.25
- 6	.375-24UNJF-3B	.421	.391	.564	.553	.622	.400	.042	.008	.235	.215			.218	.564	.543				11,450		1.70
- 7	.437-20UNJF-3B	.468	.438	.690	.679	.766	.463	.050	.010	.282	.262	.155	.125	.265	.690	.675	.053			15,450		2.30
- 8	.500-20UNJF-3B	.578	.548	.752	.741	.837	.525			.375	.355			.359	.752	.737				21,110		4.50

MATERIAL: CORROSION AND HEAT RESISTANT STEEL (A286) COMPOSITION PER AMS 5737, AMS 5525, OR AMS 5725.

PLATING: SILVER PLATE IN ACCORDANCE WITH AMS 2411. PLATE THICKNESS MEASURED ON THE EXTERNAL SURFACE OF THE NUT, SHALL BE NOT LESS THAN .0002 INCHES; THREADS SHALL SHOW COMPLETE COVERAGE BUT THICKNESS REQUIREMENTS ON THREADS ARE WAIVED.

MAGNETIC PERMEABILITY:
MAGNETIC PERMEABILITY SHALL BE LESS THAN 2.0 (AIR = 1.0) FOR A FIELD STRENGTH H=200 OERSTEDS USING A MAGNETIC PERMEABILITY INDICATOR IN ACCORDANCE WITH MIL-I-1721A OR EQUIVALENT.

GENERAL: BREAK ALL SHARP EDGES AND REMOVE ALL BURRS AND SLIVERS.
SURFACE ROUGHNESS IN ACCORDANCE WITH ASA B46.1 - 1962
UNLESS OTHERWISE SPECIFIED THE SURFACE ROUGHNESS SHALL NOT EXCEED 125 MICROINCHES.
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

DESIGN INFORMATION: THESE NUTS ARE DESIGNED FOR USE WITH 3A THREADS PER MIL-S-8879.

EXAMPLE OF PART NUMBER: MS21225-4 = .2500-28 CORROSION RESISTANT STEEL NUT, SILVER PLATED.

- PERFORMANCE: PER MIL-N-25027 EXCEPT FOR:
- 1 - ULTIMATE TENSILE STRENGTH AS TABULATED.
 - 2 - VIBRATION TEST TIME FOR NUT SIZES -5 AND LARGER SHALL BE 120 MINUTES MINIMUM.
 - 3 - LOCKING TORQUE VALUES APPLICABLE FOR 5 CYCLES, EXCEPT ONE (1) CYCLE FOR -3 SIZE.
 - 4 - WRENCH TORQUE TEST VALUES TO BE DIRECTLY PROPORTIONAL TO THE ULTIMATE TENSILE STRENGTH.

QUALIFIED PRODUCTS: ONLY NUTS FOR WHICH THERE ARE QUALIFIED PRODUCTS LISTED ON QPL 25027 SHALL BE USED.

CERTAIN PROVISIONS TO APPLY TO THE ACROSS FLATS DIMENSIONS OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ABC AIR STD 17/2. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED, THE DEPARTMENTAL CUSTODIAL WILL INFORM THEIR RESPECTIVE DEPARTMENTAL STANDARDIZATION OFFICE SO THAT APPROPRIATE ACTION MAY BE TAKEN RESPECTING THE INTERNATIONAL AGREEMENT CONCERNED.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

Review activities:
Navy - AS
USAI - 11, 85

This military standard is approved by the Department of the Air Force and the Bureau of Naval Weapons and is mandatory for use by these activities. All other military activities are required to employ this standard where suitable.

REVISED 22 JUL 68
APPROVED 15 MAR 68

P.A. Navy - AS Other Comd USAr - 11	INTERNATIONAL INTEREST	TITLE NUT, SELF-LOCKING, CASTELLATED, HEXAGON - 80° F	MILITARY STANDARD MS21225(ASG)
PROCUREMENT SPECIFICATION MIL-N-25027 (SEE PERFORMANCE NOTE)	SUPERSEDES:	SHEET 1 OF 1	